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GuangHai(10) **Pub. No.: US 2007/0296709 A1**(43) **Pub. Date: Dec. 27, 2007**(54) **APPARATUS AND METHOD FOR
DETECTING MULTIPLE BUTTONS WITH
ONE PIN****Publication Classification**(51) **Int. Cl.**
G06F 3/041 (2006.01)(52) **U.S. Cl.** **345/173**(57) **ABSTRACT**(75) **Inventor:** **Li GuangHai**, Shanghai (CN)

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An apparatus and method for distinguishing a particular button operation from among multiple button operations on a sensing device having multiple sensor elements that are electrically coupled together. The apparatus may include a sensing device having a first sensor element and a second element that are electrically coupled to detect a presence of a conductive object on the sensing device. The method may include detecting a presence of a conductive object on a sensing device having multiple sensor elements that are electrically coupled, each sensor element corresponding to a button operation, and distinguishing between the multiple button operations.

